



DEPARTMENT OF TRANSPORTATION

MATERIALS TRANSPORTATION BUREAU

WASHINGTON, D.C. 20590

22466

49 CFR Part 172

Label and Placard Colors Corrections

AGENCY: Materials Transportation Bureau, Research and Special Programs Administration, DOT.

ACTION: Amendment corrections.

SUMMARY: This corrects several errors which occurred in the revision of **APPENDIX A—HAZARDOUS MATERIALS COLOR TOLERANCE TABLES** found in Docket No. HM-151A: Amdt. 172-50, published on February 15, 1979, (44 FR 9756).

DATES: The provisions of this rule are effective April 18, 1979.

FOR FURTHER INFORMATION CONTACT: Douglas A. Crockett, Standards Division, Office of Hazardous Materials Regulation, Washington, D.C. 20590

(phone: 202-426-2075).

In view of the foregoing, Appendix A to Part 172, Title 49 of the Code of Federal Regulations, is amended as follows:

1. The heading of Appendix A and the introductory text preceding Table 1 are revised to read as follows:

Appendix A—Office of Hazardous Materials Regulation Color Tolerance Charts and Tables

The following are Munsell notations and Commission Internationale de L'Eclairage (CIE) coordinates which describe the Office of Hazardous Materials Regulation Label and Placard Color Tolerance Charts in Tables 1 and 2, and the CIE coordinates for the color tolerances specified in Table 3. Central colors and tolerances described in Table 2 approximate those described in Table 1 while allowing for differences in production methods and materials used to manufacture labels and placards

surfaced with printing inks. Primarily, the color charts based on Table 1 are for label or placard colors applied as opaque coatings such as paint, enamel or plastic, whereas color charts based on Table 2 are intended for use with labels and placards surfaced only with inks.

For labels printed directly on packaging surfaces, Table 3 may be used, although compliance with either Table 1 or Table 2 is sufficient. However, if visual reference indicates that the colors of labels printed directly on package surfaces are outside the Table 1 or 2 tolerances, a spectrophotometer or other instrumentation may be required to insure compliance with Table 3.

2. The heading of Table 1 and the entries under CIE column Y for "Blue" are revised to read as follows:

Table 1.—Specifications for Color Tolerance Charts for Use With Labels and Placards Surfaced With Paint, Lacquer, Enamel, Plastic, Other Opaque Coatings, or Ink

Color/Series	Munsell notations	CIE data for source C		
		Y	x	y
* * * * *				
Blue:				
Central color	2.5PB 3.5/10	09.00	.1691	.1744
Purple	4.5PB 3.5/10	09.00	.1796	.1711
Green and vivid	10.0B 3.5/10	09.00	.1557	.1815
Grayish	2.5PB 3.5/8	09.00	.1888	.1964
Vivid	2.5PB 3.5/12	09.00	.1516	.1547
Light	2.5PB 4.0/10	12.00	.1805	.1898
Dark	2.5PB 3.0/10	06.55	.1576	.1600
* * * * *				

3. The heading of Table 2 and the entries under the Munsell notation for "Yellow: Dark series" are revised to read as follows:

Table 2.—Specifications for Color Tolerance Charts for Use With Labels and Placards Surfaced With Ink

Color/Series	Munsell notations	CIE data for source C		
		Y	x	y
* * * * *				
Yellow:				
* * * * *				
Dark series:				
Dark and green-yellow	4.4Y 7.57/9.7	51.62	.4423	.4562
Dark and orange A	3.4Y 7.39/10.4	48.86	.4584	.4590
Dark and orange B	3.5Y 7.41/10.0	49.20	.4517	.4544
* * * * *				

(49 U.S.C. 1803, 1804, 1808, 49 CFR 1.53.)

Note.—The Materials Transportation Bureau has determined that this final rule will not result in a major economic impact under the terms of Executive Order 12044 and DOT implementing procedures (43 FR 9582).

Issued in Washington, D.C., on April 9, 1979.

L. D. Santman,
Director, Materials Transportation Bureau.

[Docket No. HM-151A; Amdt. No. 172-50]
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